

Anti-PRMT1 Antibody (5U49)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 42 kDa. Actual: 42 kDa.
Clone:	5U49
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. Western blot analysis of (1) HeLa cell lysate; (2) NIH/3T3 cell lysate; (3) PC-12 cell lysate. Using PRMT1 (TMAB-11752) monoclonal antibody at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.</p> <p>2. The HeLa (H) cells were fixed with 4% PFA (10 min at r. T.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r. T.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-PRMT1 antibody (TMAB-11752, 1:100); Isotype Control (orange): Rabbit IgG. Blank control (black): PBS. Acquisition of 20,000 events was performed.</p> <p>3. 4% Paraformaldehyde-fixed HeLa (H) cell; Triton X-100 at r. T. for 20 min; Antibody incubation with (PRMT1) monoclonal Antibody, unconjugated (TMAB-11752) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green) at 37°C for 90 min, DAPI (blue) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.</p>
Application:	IHC-P,IHC-F,ICC/IF,IF,IP,ChIP,FCM
Recommended	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:50-200,IF=1:100-500,IP=1:20-50,ChIP=1:20-50,FCM=1:50-100

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized peptide: human PRMT1
Antigen Species:	Human
Gene ID:	3276
Uniprot ID:	Q99873

Research Background

Arginine methyltransferase that methylates (mono and asymmetric dimethylation) the guanidino nitrogens of arginyl residues present in proteins such as ESR1, histone H2, H3 and H4, FMR1, ILF3, HNRNPA1, HNRNPD, NFATC2IP, SUPT5H, TAF15, EWS, HABP4, SERBP1, RBM15, FOXO1, CHTOP, MAP3K5/ASK1 and NPRL2.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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